Form 104 (Rev. 2-53)

☐ LABORATORY VISITOR
☐ TRIP REPORT
☐ MISCELLANEOUS REPORT
☒ TELEPHONE CALL

STATINTL

FILE: MM:bb:351

# CONTACT REPORT

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SUBJECT: Telephone Call to [redacted] PROJECT NO. 997-112

REPORTED BY: [redacted]
TALKED TO: [redacted]

DEPT. 72
TITLE:
DATE OF CALL:

OTHERS ATTENDING CONFERENCE: [redacted]

PURPOSE OF CALL: To obtain information on our [redacted] densitometer STATINTL

REFERENCES:

FOR ATTENTION OF [redacted]

SUMMARIZE RESULT OF CALL OR VISIT—BE BRIEF

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[redacted] and I called the [redacted] to obtain information on the [redacted] densitometer which we own. The following information was obtained from [redacted] STATINTL

1. The numerical aperture used in the [redacted] densitometer is slightly larger than that specified for ASA diffuse density measurements (the STATINTL cone half angle being about 25°).

2. The lamp voltage is set to give approximately 220 volts across the photomultiplier dynode when the instrument is reading zero density.

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3. [redacted] had at one time been using flashed opal diffusers in the detector head, had changed to a cheaper plastic diffusing material, and then, because the plastic material was found to be a poor diffuser, changed to pot opal diffusers. STATINTL

Our instrument was equipped with the plastic diffuser with the result that the densities read for non-scattering samples were too low. Mr. [redacted] said that we should write to [redacted] who would supply us with the proper (pot opal) diffuser and with a new calibration wedge.

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**Declass Review by NIMA/DOD**

STATINTL

[redacted]

SIGNATURE

DATE